



2002 Ozone Summary for New Hampshire

- The existing health-based standard for ozone in ambient (outdoor) air is **120 parts per billion for a one-hour average**. An area is “exceeding” the standard if any one-hour average measured during the day at an air monitoring station in the area goes above the standard.
- In 1997, EPA revised the ozone standard to **80 parts per billion for an 8-hour average** to provide increased protection from the harmful health effects of ozone beyond that provided by the one-hour standard. As a result of legal challenges and court responses since the new standard was promulgated, full implementation and enforcement of the 8-hour standard has been delayed, as of summer, 2002.
- Regardless of what standard is in effect, New Hampshire continues to monitor ozone levels in ambient air in order to issue health advisories when necessary and determine compliance with the one-hour and future 8-hour standards.

1-Hour Ozone Exceedances During 2002 (>120 ppb standard) – Two Days

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Portsmouth	August 13	125
Nashua	August 13	135
Rye	August 14	137
Miller SP	August 14	139
Rochester	August 14	144
Portsmouth	August 14	145

Maximum 1-Hour Ozone Concentrations

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Conway	August 15	96
Laconia	August 14	101
Concord	July 22	110
Manchester	August 13	111
Keene	August 14	112
Haverhill	August 15	113
Brentwood	August 13	118
Claremont	August 14	124
Nashua	August 13	135
Rye	August 14	137
Miller SP	August 14	139
Rochester	August 14	144
Portsmouth	August 14	145

8-Hour Ozone Exceedances During 2002 (>80 ppb standard) – 13 Days

<u>Date</u>	<u>Site(s)</u>	<u>Concentration (ppb)</u>
June 21	Brentwood	87
	Portsmouth	89
	Rye	89
June 26	Portsmouth	85
	Brentwood	85
	Rye	87
	Nashua	94
July 2	Rye	89
July 14	Portsmouth	85
	Brentwood	85
July 22	Rochester	85
	Nashua	88
	Portsmouth	90
	Concord	91
	Brentwood	91
	Manchester	91
	Miller SP	97
August 11	Portsmouth	85
	Brentwood	87
	Rochester	90
	Miller SP	106
August 12	Laconia	85
	Concord	86
	Manchester	88
	Rye	88
	Rochester	95
	Portsmouth	100
	Miller SP	101
	Brentwood	104
	Nashua	109
August 13	Manchester	85
	Brentwood	98
	Portsmouth	98
	Rye	99
	Miller SP	107
	Nashua	110
August 14	Manchester	89
	Laconia	89
	Concord	91
	Brentwood	93
	Claremont	94
	Haverhill	96
	Nashua	98
	Keene	98
	Portsmouth	103
	Rochester	105
	Rye	110
	Miller SP	111
August 15	Concord	85

	Rochester	85
	Brentwood	88
	Laconia	90
	Conway	90
	Miller SP	92
August 18	Brentwood	86
	Rochester	93
September 9	Rye	86
September 14	Claremont	86
	Miller SP	90

Maximum 8-Hour Ozone Concentrations

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Laconia	August 15	90
Conway	August 15	90
Concord	July 22/August 14	91
Manchester	July 22	91
Claremont	August 14	94
Haverhill	August 14	96
Keene	August 14	98
Portsmouth	August 14	103
Brentwood	August 12	104
Rochester	August 14	105
Nashua	August 13	110
Rye	August 14	110
Miller SP	August 14	111

*Note: All values are unofficial pending full QA/QC evaluation

Updated 5/05/03

T: Transfer/ozone events 2002